This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A wavelength division multiplexed optical communication system configured to simultaneously accept multiple data formats from voice and data sources on individual optical channels comprising:

an optical waveguide configured to carry a wavelength division multiplexed optical communication signal comprising a plurality of optical channels, each optical channel having a discrete wavelength;

an optical add-drop multiplexer optically communicating with the optical waveguide configured to selectively add one or more optical channels to the wavelength division multiplexed optical communication signal;

a first source of data in a first data format selected from ATM, IP, MPLS, Gigabit Ethernet, and Ethernet for imparting information to a first optical channel;

a second source of data comprising voice traffic for imparting information to the first optical channel;

an optical channel source for producing an optical channel at a first optical channel wavelength;

an optical network interface electrically communicating with the first and second sources and electrically communicating with the optical channel source for placing data from the first and second data sources onto the first optical channel such that voice and data traffic are multiplexed onto the optical channel;

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a cell format module positioned between the first source of data and the optical network interface;

a TDM format module positioned between the second source of data and the optical network interface; and

an optical path optically communicating with the optical channel source and the optical add-drop multiplexer for transporting the first optical channel to the optical add-drop multiplexer.

2. (cancelled)

3. (cancelled)

4. (currently amended) A wavelength division multiplexed optical communication system as recited in claim 3 1 wherein the first data source has an asynchronous transfer mode (ATM) format.

5. (currently amended) A wavelength division multiplexed optical communication system as recited in claim 2 1 wherein the first data source has an Internet protocol (IP) format.

6. (currently amended) A wavelength division multiplexed optical communication system as recited in claim 2 1 wherein the first data source has a multiprotocol label switching (MPLS) format.

7. (currently amended) A wavelength division multiplexed optical communication system as recited in claim ~~2~~ 1 further comprising additional data sources electrically communicating with the cell format module.

8. (new) A wavelength division multiplexed optical communication system as recited in claim 1 wherein the first data source has an Ethernet format.

9. (new) A wavelength division multiplexed optical communication system as recited in claim 1 wherein the first data source has a Gigabit Ethernet format.